

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/966,755

DATE: 01/15/2002

TIME: 17:36:26

Input Set : N:\CrF3\RULE60\09966755.raw  
Output Set: N:\CRF3\01152002\I966755.raw

1 <110> APPLICANT: Andrew, David P.  
 2 Zabel, Brian A.  
 3 Ponath, Paul D.  
 4 <120> TITLE OF INVENTION: ANTI-GPR-9-6 ANTIBODIES AND METHODS OF  
 5 IDENTIFYING AGENTS WHICH MODULATE GPR-9-6 FUNCTION  
 6 <130> FILE REFERENCE: LKS98-16  
 7 <140> CURRENT APPLICATION NUMBER: 09/966,755  
 8 <141> CURRENT FILING DATE: 2001-09-28  
 10 <150> PRIOR APPLICATION NUMBER: US/09/266,464  
 11 <151> PRIOR FILING DATE: 1999-03-11  
 14 <160> NUMBER OF SEQ ID NOS: 7  
 15 <170> SOFTWARE: FastSEQ for Windows Version 3.0  
 17 <210> SEQ ID NO: 1  
 18 <211> LENGTH: 2577  
 19 <212> TYPE: DNA  
 20 <213> ORGANISM: Homo sapiens  
 21 <220> FEATURE:  
 22 <221> NAME/KEY: CDS  
 23 <222> LOCATION: (58)...(1131)  
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 26 Met  
 27 1  
 28 gct gat gac tat ggc tct gaa tcc aca tct tcc atg gaa gac tac gtt 108  
 29 Ala Asp Asp Tyr Gly Ser Glu Ser Thr Ser Ser Met Glu Asp Tyr Val  
 30 5 10 15  
 31 aac ttc aac ttc act gac ttc tac tgt gag aaa aac aat gtc agg cag 156  
 32 Asn Phe Asn Phe Thr Asp Phe Tyr Cys Glu Lys Asn Asn Val Arg Gln  
 33 20 25 30  
 34 ttt gcg agc cat ttc ctc cca ccc ttg tac tgg ctc gtg ttc atc gtg 204  
 35 Phe Ala Ser His Phe Leu Pro Pro Leu Tyr Trp Leu Val Phe Ile Val  
 36 35 40 45  
 37 ggt gcc ttg ggc aac agt ctt gtt atc ctt gtc tac tgg tac tgc aca 252  
 38 Gly Ala Leu Gly Asn Ser Leu Val Ile Leu Val Tyr Trp Tyr Cys Thr  
 39 50 55 60 65  
 40 aga gtg aag acc acc gac atg ttc ctt ttg aat ttg gca att gct 300  
 41 Arg Val Lys Thr Asp Met Phe Leu Leu Asn Leu Ala Ile Ala  
 42 70 75 80  
 43 gac ctc ctc ttt ctt gtc act ctt ccc ttc ttg gcc att gct gct gct 348  
 44 Asp Leu Leu Phe Leu Val Thr Leu Pro Phe Trp Ala Ile Ala Ala  
 45 85 90 95  
 46 gac cag ttg aag ttc cag acc ttc atg tgc aag gtg gtc aac agc atg 396  
 47 Asp Gln Trp Lys Phe Gln Thr Phe Met Cys Lys Val Val Asn Ser Met  
 48 100 105 110  
 49 tac aag atg aac ttc tac agc tgt gtg ttg ctg atc atg tgc atc agc 444  
 50 Tyr Lys Met Asn Phe Tyr Ser Cys Val Leu Leu Ile Met Cys Ile Ser  
 51 115 120 125

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52	gtg gac agg tac att gcc att gcc cag gcc atg aga gca cat act tgg	492
53	Val Asp Arg Tyr Ile Ala Ile Ala Gln Ala Met Arg Ala His Thr Trp	
54	130 135 140 145	
55	agg gag aaa agg ctt ttg tac agc aaa atg gtt tgc ttt acc atc tgg	540
56	Arg Glu Lys Arg Leu Leu Tyr Ser Lys Met Val Cys Phe Thr Ile Trp	
57	150 155 160	
58	gta ttg gca gct gct ctc tgc atc cca gaa atc tta tac agc caa atc	588
59	Val Leu Ala Ala Ala Leu Cys Ile Pro Glu Ile Leu Tyr Ser Gln Ile	
60	165 170 175	
61	aag gag gaa tcc ggc att gct atc tgc acc atg gtt tac cct agc gat	636
62	Lys Glu Glu Ser Gly Ile Ala Ile Cys Thr Met Val Tyr Pro Ser Asp	
63	180 185 190	
64	gag agc acc aaa ctg aag tca gct gtc ttg acc ctg aag gtc att ctg	684
65	Glu Ser Thr Lys Leu Lys Ser Ala Val Leu Thr Leu Lys Val Ile Leu	
66	195 200 205	
67	ggg ttc ttc ctt ccc ttc gtc gtc atg gct tgc tgc tat acc atc atc	732
68	Gly Phe Phe Leu Pro Phe Val Val Met Ala Cys Cys Tyr Thr Ile Ile	
69	210 215 220 225	
70	att cac acc ctg ata caa gcc aag aag tct tcc aag cac aaa gcc cta	780
71	Ile His Thr Leu Ile Gln Ala Lys Lys Ser Ser Lys His Lys Ala Leu	
72	230 235 240	
73	aaa gtg acc atc act gtc ctg acc gtc ttt gtc ttg tct cag ttt ccc	828
74	Lys Val Thr Ile Thr Val Leu Thr Val Phe Val Leu Ser Gln Phe Pro	
75	245 250 255	
76	tac aac tgc att ttg ttg gtc cag acc att gac gcc tat gcc atg ttc	876
77	Tyr Asn Cys Ile Leu Leu Val Gln Thr Ile Asp Ala Tyr Ala Met Phe	
78	260 265 270	
79	atc tcc aac tgt gcc gtt tcc acc aac att gac atc tgc ttc cag gtc	924
80	Ile Ser Asn Cys Ala Val Ser Thr Asn Ile Asp Ile Cys Phe Gln Val	
81	275 280 285	
82	acc cag acc atc gcc ttc ttc cac agt tgc ctg aac cct gtt ctc tat	972
83	Thr Gln Thr Ile Ala Phe Phe His Ser Cys Leu Asn Pro Val Leu Tyr	
84	290 295 300 305	
85	gtt ttt gtg ggt gag aga ttc cgc cgg gat ctc gtg aaa acc ctg aag	1020
86	Val Phe Val Gly Glu Arg Phe Arg Arg Asp Leu Val Lys Thr Leu Lys	
87	310 315 320	
88	aac ttg ggt tgc atc agc cag gcc cag tgg gtt tca ttt aca agg aga	1068
89	Asn Leu Gly Cys Ile Ser Gln Ala Gln Trp Val Ser Phe Thr Arg Arg	
90	325 330 335	
91	gag gga agc ttg aag ctg tcg tct atg ttg ctg gag aca acc tca gga	1116
92	Glu Gly Ser Leu Lys Leu Ser Ser Met Leu Leu Glu Thr Thr Ser Gly	
93	340 345 350	
94	gca ctc tcc ctc tga ggggtttct ctgaggtgca tggttttt ggaagaaatg	1171
95	Ala Leu Ser Leu *	
96	355	
97	agaaatacat gaaacagttt cccactgat gggaccagag agagtgaaag agaaaagaaa	1231
98	actcagaaag ggtatcatc gaactatatc attacttgc gtcagaattt gccaaagcaa	1291
99	atatttcaaa atcaactgac tagtgcagga ggctgttgc tggcttttgc ctgtatgcc	1351
100	cgcaattctc aaaggaggac taaggaccgg cactgtggag caccctggct ttgccactcg	1411

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101	ccggagcatc aatgccgctg cctctggagg agcccttga ttttctccat gcactgtgaa	1471
102	cttctgtggc ttcaagtctc atgctgcctc ttccaaaagg ggacacagaa gcactggctg	1531
103	ctgctacaga ccgcaaaagc agaaaagttc gtgaaaatgt ccatctttgg gaaattttct	1591
104	accctgtct tgagcctgat aacccatgcc aggtcttata gattcctgat ctagaacctt	1651
105	tccaggcaat ctcagaccta atttccttct gttctccttgc ttctgttctg ggccagtgaa	1711
106	ggtccttgtt ctgatTTGA aacgatCTGc aggtcttgc agtgaacccc tggacaactg	1771
107	accacaccca caaggcatcc aaagtctgtt ggcttccaat ccatttctgt gtcctgctgg	1831
108	aggTTTaaC cttagacaagg attccgctta ttccttggta tggtagacagt gtctctccat	1891
109	ggcctgagca gggagattat aacagctggg ttcgcaggag ccagccttgg ccctgttgt	1951
110	ggcttgcTTCT gtttagtggc acttgcttgc ggtccaccgt ctgtctgctc cctagaaaat	2011
111	gggctgggtc ttttggccct cttctttctg aggcccactt tattctgagg aatacagtga	2071
112	gcagatATGG gcagcagCCA ggttagggcaa aggggtgaag cgcaggcctt gctggaaaggc	2131
113	tatTTacttc catgttctc cttttcttac tctatagtgg caacatttta aaagcttta	2191
114	acttagagat taggctgaaa aaaataagta atggaattca ctttgcacT ttttgtgtct	2251
115	ttcttatcat gatttggcaa aatgcacac ctttgcTTG atttcacata ttggaaaagt	2311
116	gttttttaat gtgtatATGA agcattaatt acttgcact ttcttacccc tgcctcaata	2371
117	tttttagtGT gtcaattaa agatcaaata gatacattaa gagtgtgaag gctggctg	2431
118	aggttagtgg ctatctcaat cggattgttc acactcagtt acagattgaa ctcctgttc	2491
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131	Gln Phe Ala Ser His Phe Leu Pro Pro Leu Tyr Trp Leu Val Phe Ile	
132	35 40 45	
133	Val Gly Ala Leu Gly Asn Ser Leu Val Ile Leu Val Tyr Trp Tyr Cys	
134	50 55 60	
135	Thr Arg Val Lys Thr Met Thr Asp Met Phe Leu Leu Asn Leu Ala Ile	
136	65 70 75 80	
137	Ala Asp Leu Leu Phe Leu Val Thr Leu Pro Phe Trp Ala Ile Ala Ala	
138	85 90 95	
139	Ala Asp Gln Trp Lys Phe Gln Thr Phe Met Cys Lys Val Val Asn Ser	
140	100 105 110	
141	Met Tyr Lys Met Asn Phe Tyr Ser Cys Val Leu Leu Ile Met Cys Ile	
142	115 120 125	
143	Ser Val Asp Arg Tyr Ile Ala Ile Ala Gln Ala Met Arg Ala His Thr	
144	130 135 140	
145	Trp Arg Glu Lys Arg Leu Leu Tyr Ser Lys Met Val Cys Phe Thr Ile	
146	145 150 155 160	
147	Trp Val Leu Ala Ala Leu Cys Ile Pro Glu Ile Leu Tyr Ser Gln	
148	165 170 175	
149	Ile Lys Glu Glu Ser Gly Ile Ala Ile Cys Thr Met Val Tyr Pro Ser	
150	180 185 190	

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151 Asp Glu Ser Thr Lys Leu Lys Ser Ala Val Leu Thr Leu Lys Val Ile  
152 195 200 205  
153 Leu Gly Phe Phe Leu Pro Phe Val Val Met Ala Cys Cys Tyr Thr Ile  
154 210 215 220  
155 Ile Ile His Thr Leu Ile Gln Ala Lys Lys Ser Ser Lys His Lys Ala  
156 225 230 235 240  
157 Leu Lys Val Thr Ile Thr Val Leu Thr Val Phe Val Leu Ser Gln Phe  
158 245 250 255  
159 Pro Tyr Asn Cys Ile Leu Leu Val Gln Thr Ile Asp Ala Tyr Ala Met  
160 260 265 270  
161 Phe Ile Ser Asn Cys Ala Val Ser Thr Asn Ile Asp Ile Cys Phe Gln  
162 275 280 285  
163 Val Thr Gln Thr Ile Ala Phe Phe His Ser Cys Leu Asn Pro Val Leu  
164 290 295 300  
165 Tyr Val Phe Val Gly Glu Arg Phe Arg Arg Asp Leu Val Lys Thr Leu  
166 305 310 315 320  
167 Lys Asn Leu Gly Cys Ile Ser Gln Ala Gln Trp Val Ser Phe Thr Arg  
168 325 330 335  
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179 <223> OTHER INFORMATION: NH2-Terminal Peptide of Human GPR-9-6  
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189 <213> ORGANISM: Artificial Sequence  
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191 <223> OTHER INFORMATION: Oligonucleotide primer  
192 <400> SEQUENCE: 4  
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196 <211> LENGTH: 35  
197 <212> TYPE: DNA  
198 <213> ORGANISM: Artificial Sequence  
199 <220> FEATURE:  
200 <223> OTHER INFORMATION: Oligonucleotide primer  
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202 aagaagtcta gaaccctca gagggagagt gctcc 35

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204 <210> SEQ ID NO: 6  
205 <211> LENGTH: 30  
206 <212> TYPE: DNA  
207 <213> ORGANISM: Artificial Sequence  
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214 <211> LENGTH: 30  
215 <212> TYPE: DNA  
216 <213> ORGANISM: Artificial Sequence  
217 <220> FEATURE:  
218 <223> OTHER INFORMATION: Oligonucleotide primer  
219 <400> SEQUENCE: 7  
220 aagaagtcta gatcacagtc ctgaattagc 30

**VERIFICATION SUMMARY**

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